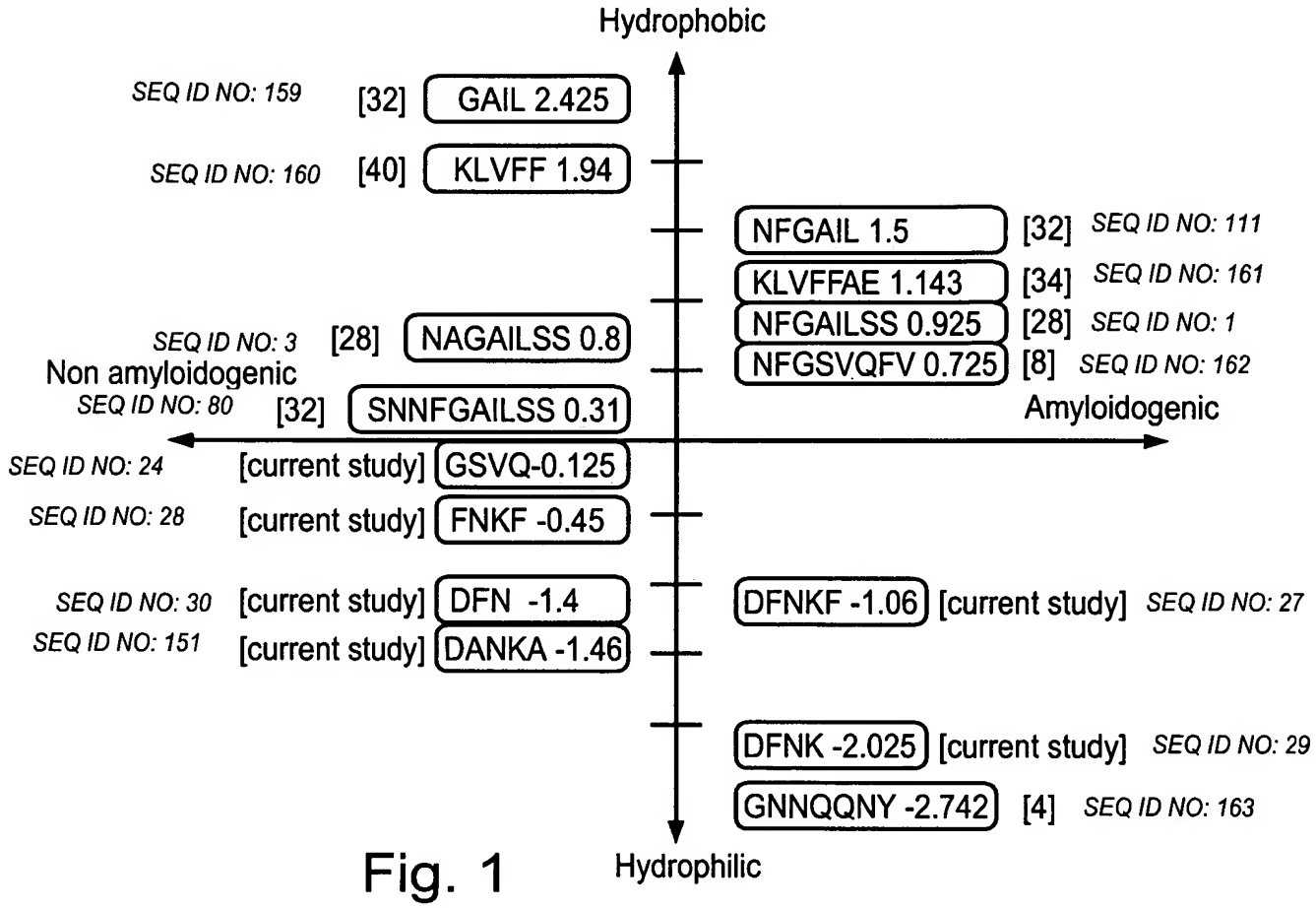


Fig. 1

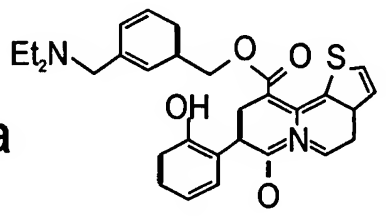


Fig. 2a

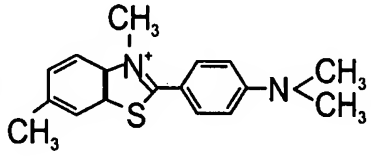


Fig. 2b

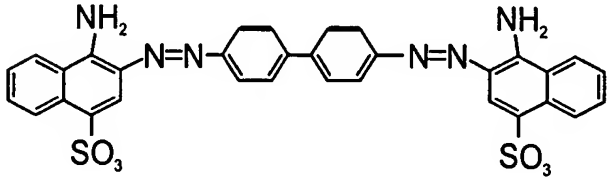


Fig. 2c

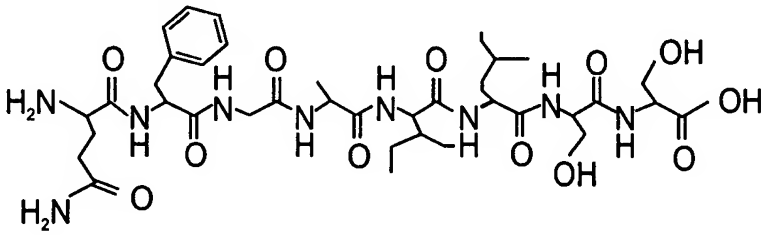
Fig. 3a

1 37

Rodent KCNTATCATQRLANFLVRSSNNLGPVLPPTNVGSNTY *SEQ ID NO: 152*

Human KCNTATCATQRLANFLVHSSNNFGAILSSTNVGSNTY *SEQ ID NO: 153*

Fig. 3b



wt	NH2-NFGAILSS-COOH	*SEQ ID NO: 1*
NIA	NH2-AFGAILSS-COOH	*SEQ ID NO: 2*
F2A	NH2-NAGAILSS-COOH	*SEQ ID NO: 3*
G3A	NH2-NFAAILSS-COOH	*SEQ ID NO: 4*
I5A	NH2-NFGAALSS-COOH	*SEQ ID NO: 5*
L6A	NH2-NFGAIASS-COOH	*SEQ ID NO: 6*

Fig. 3c

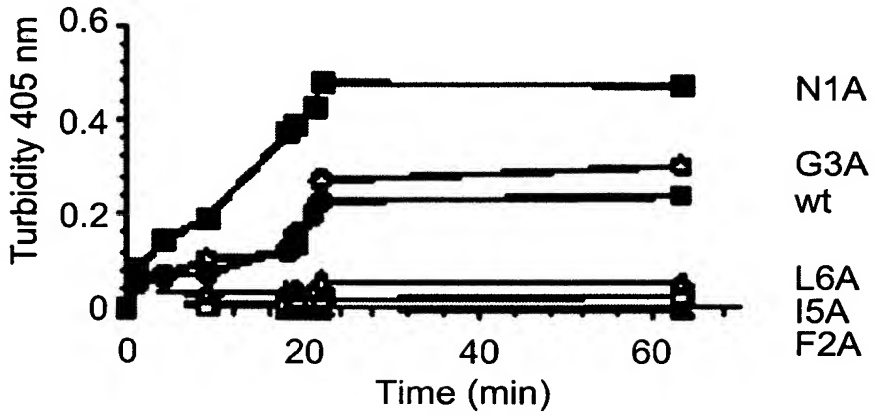


Fig. 4a

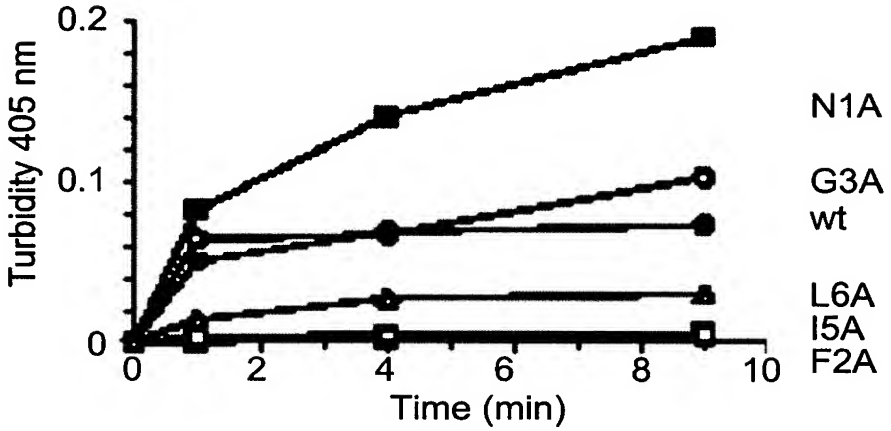


Fig. 4b

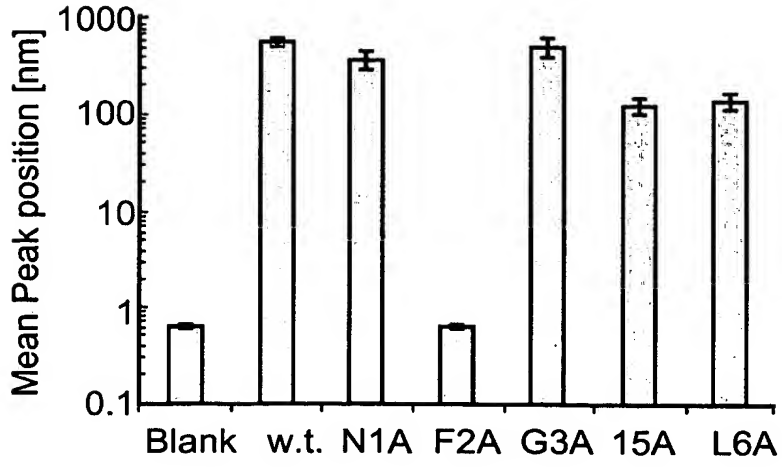


Fig. 5

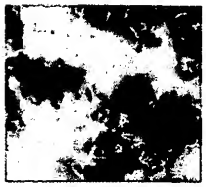


Fig. 6a

Fig. 6b

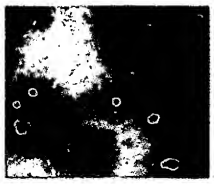


Fig. 6c

Fig. 6d

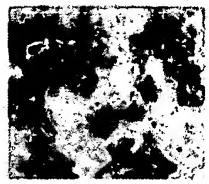


Fig. 6e

Fig. 6f

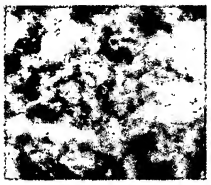


Fig. 6g

Fig. 6h

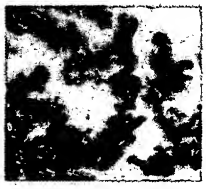


Fig. 6i

Fig. 6j

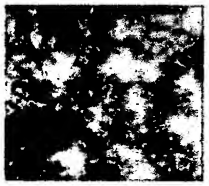


Fig. 6k

Fig. 6l

Fig. 6m

Fig. 6n

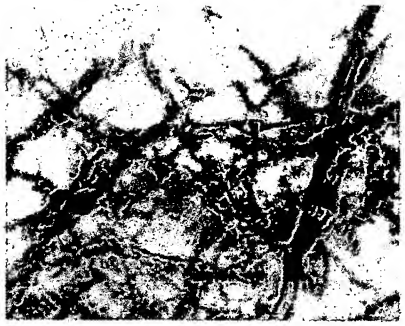


Fig. 7a

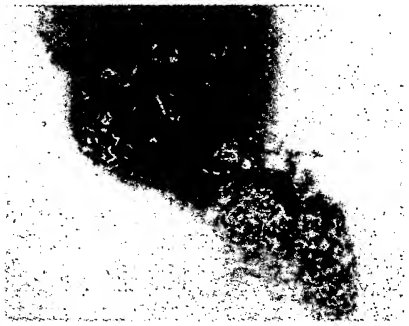


Fig. 7b

Fig. 7c

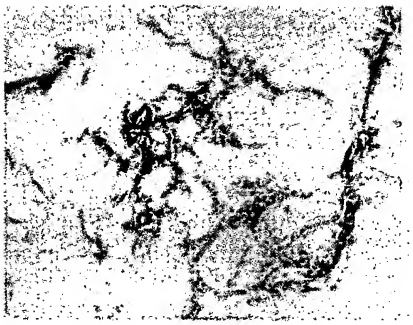


Fig. 7d

Fig. 7e

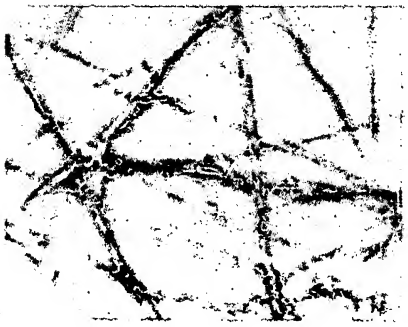


Fig. 7f

Fig. 8a

Synthetic gene
Human cDNA

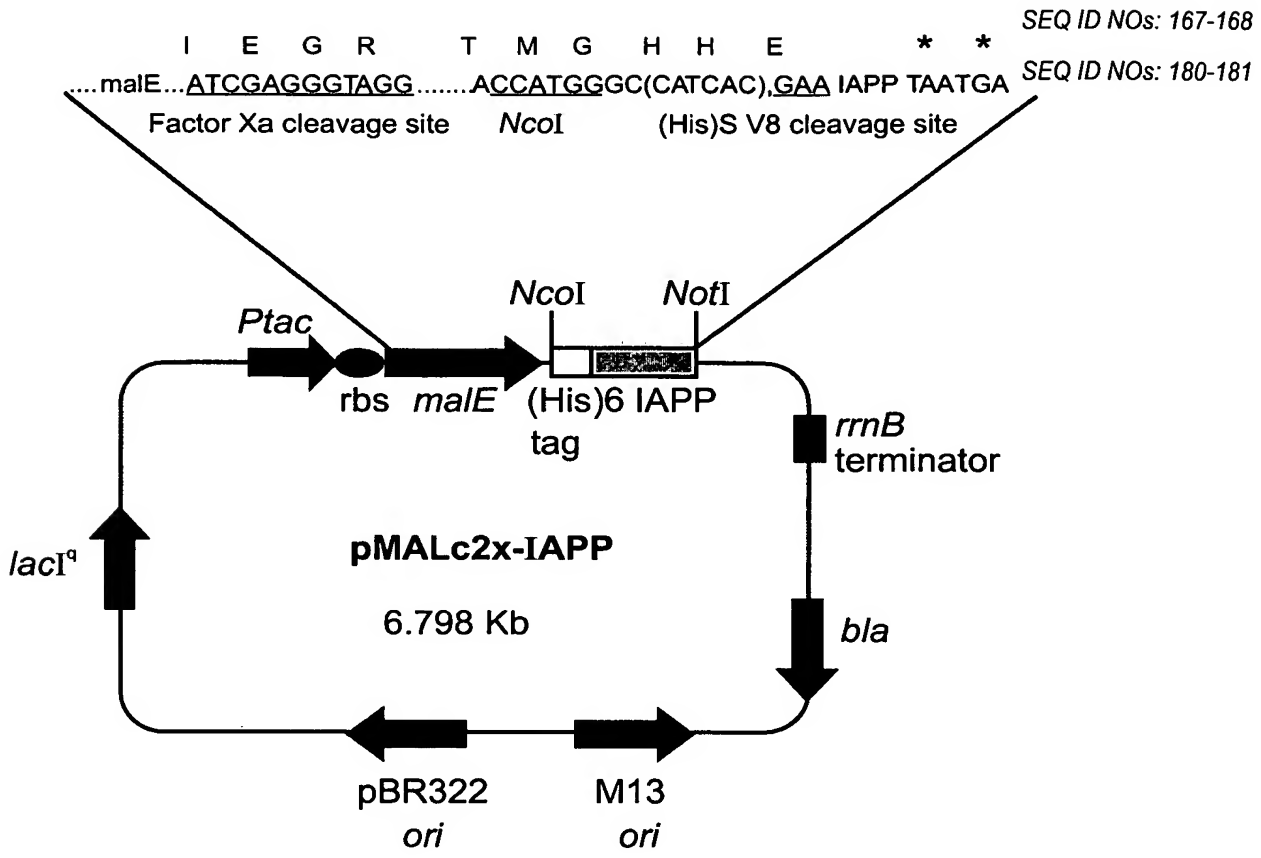

SEQ ID NOs: 167-168
SEQ ID NOs: 180-181
I E G R T M G H H E * *
....malE...ATCGAGGGTAGG.....ACCATGGGC(CATCAC),GAA IAPP TAATGA
Factor Xa cleavage site
NcoI
(His)S V8 cleavage site
NcoI
NotI
Ptac
rbs
malE
(His)6 IAPP tag
rrnB terminator
lacIq
pMALc2x-IAPP
6.798 Kb
bla
pBR322 ori
M13 ori

Fig. 8b

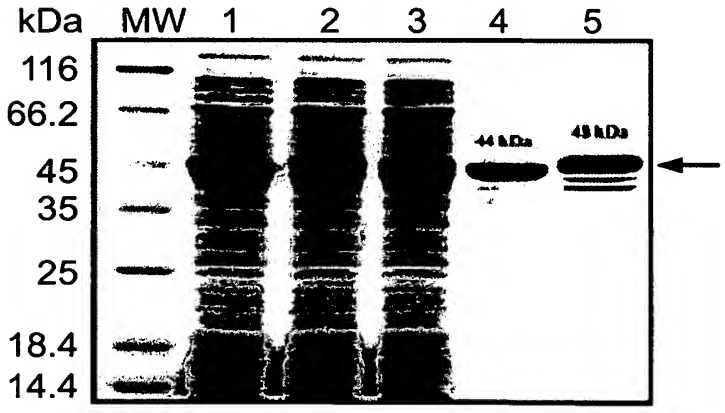

kDa
MW
1
2
3
4
5
116
66.2
45
35
25
18.4
14.4

Fig. 9

Fig. 10a

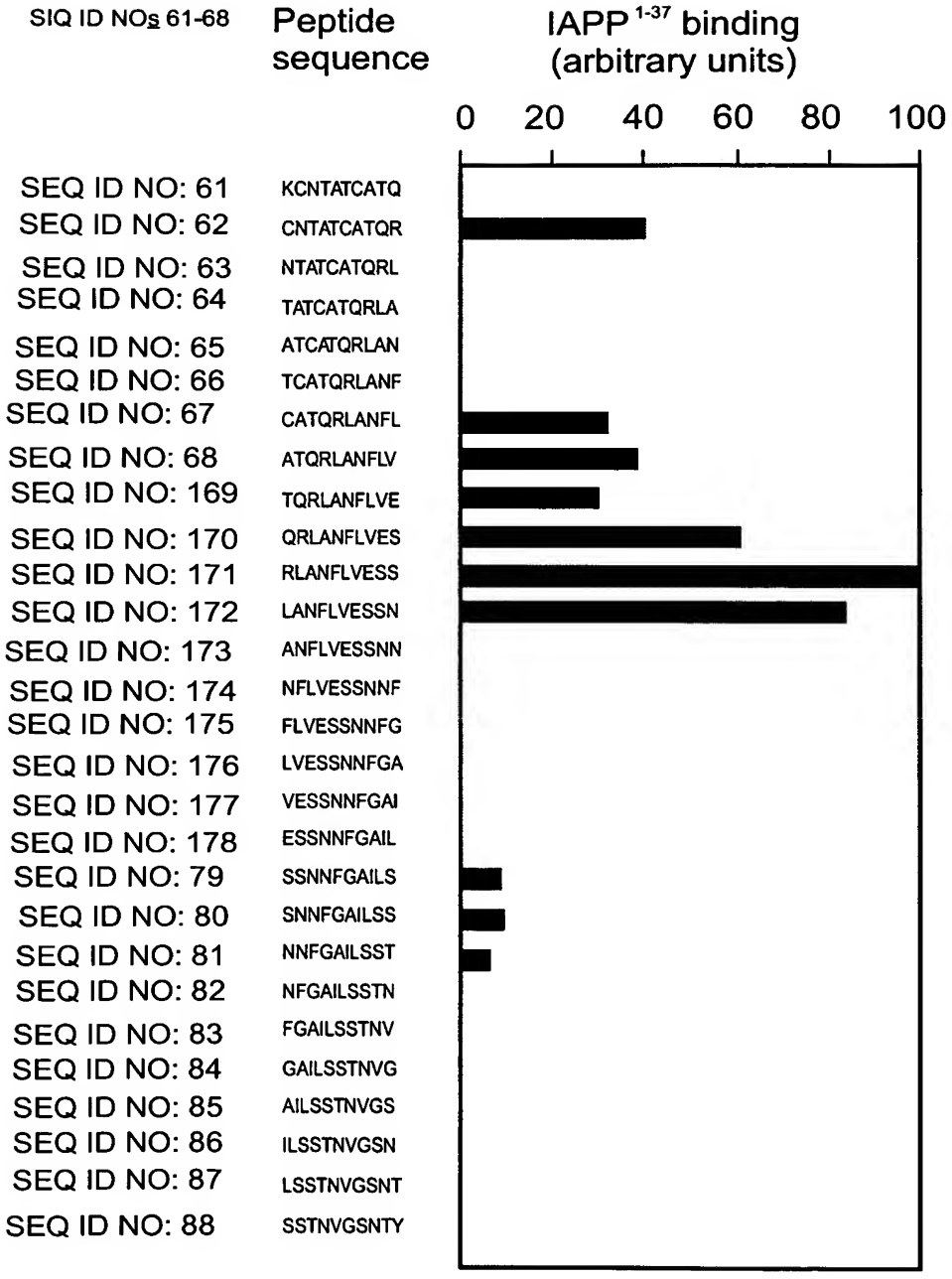


Fig. 10b

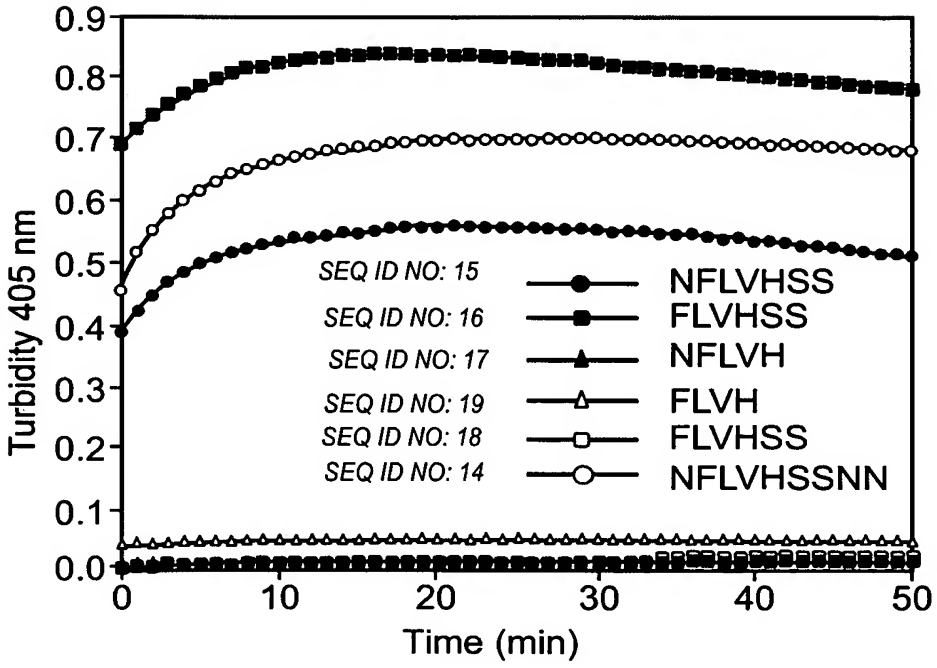

Turbidity 405 nm
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0
10
20
30
40
50
Time (min)
SEQ ID NO: 15
NFLVHSS
SEQ ID NO: 16
FLVHSS
SEQ ID NO: 17
NFLVH
SEQ ID NO: 19
FLVH
SEQ ID NO: 18
FLVHSS
SEQ ID NO: 14
NFLVHSSNN

Fig. 11

Fig. 12a

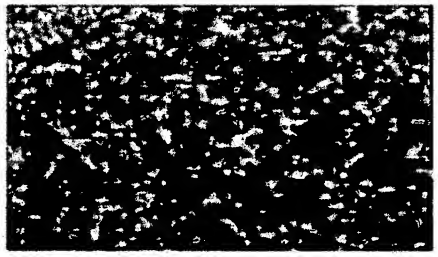


Fig. 12b

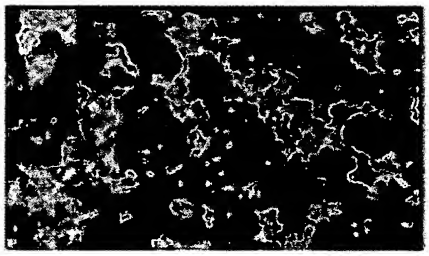


Fig. 12c

Fig. 12d

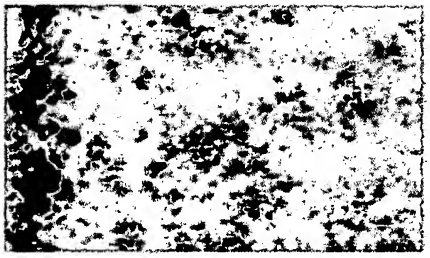


Fig. 12e

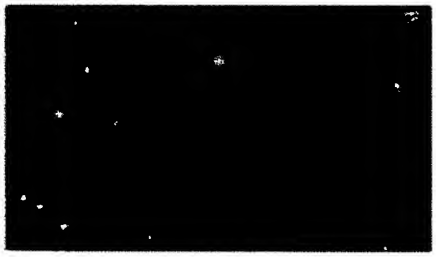


Fig. 12f

Fig. 13a

Fig. 13b

Fig. 13c

Fig. 13d

Fig. 13e

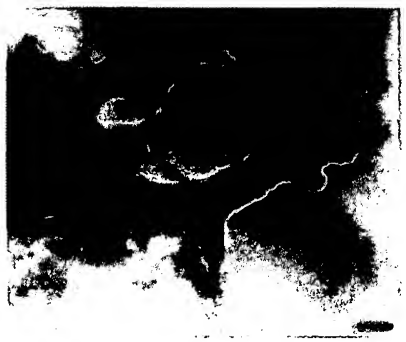


Fig. 13f

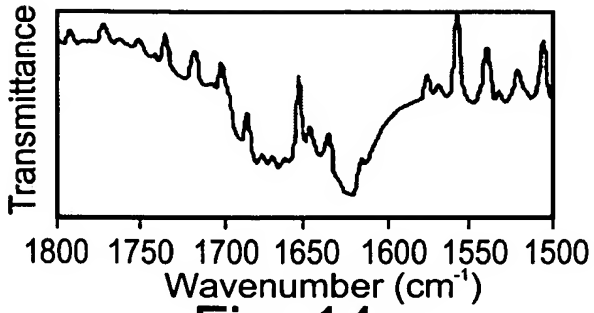


Fig. 14 a

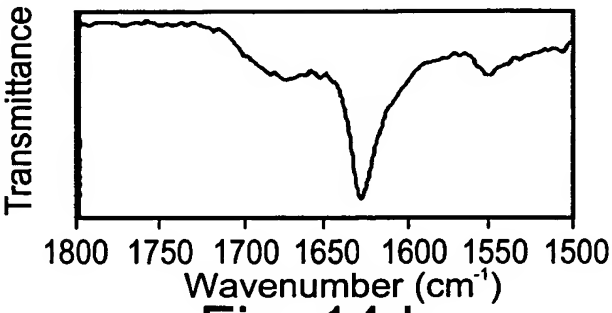


Fig. 14 b

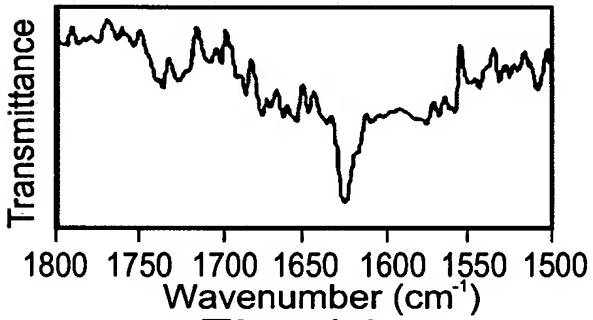


Fig. 14 c

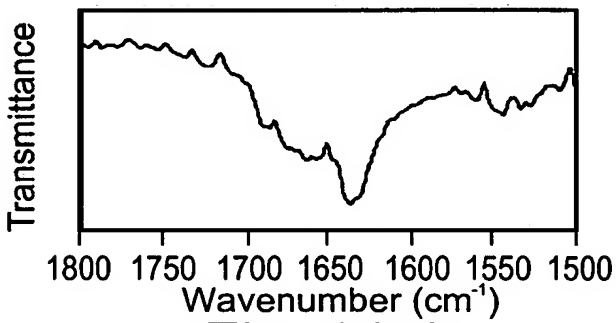


Fig. 14 d

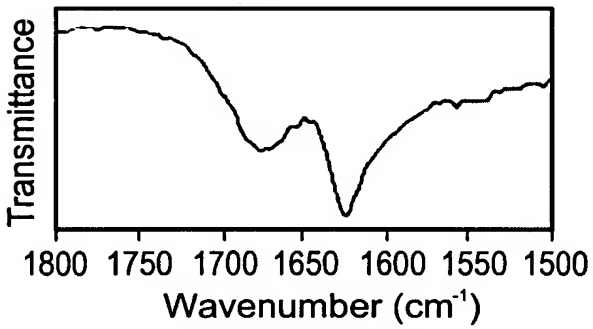


Fig. 14 e

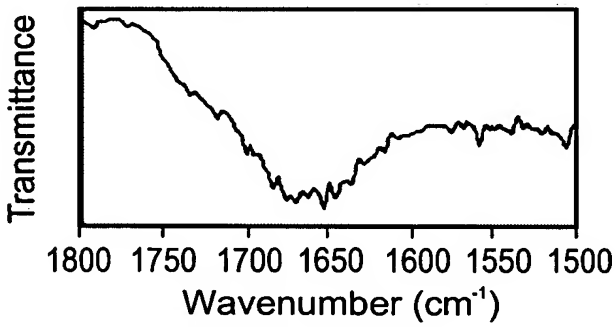


Fig. 14 f

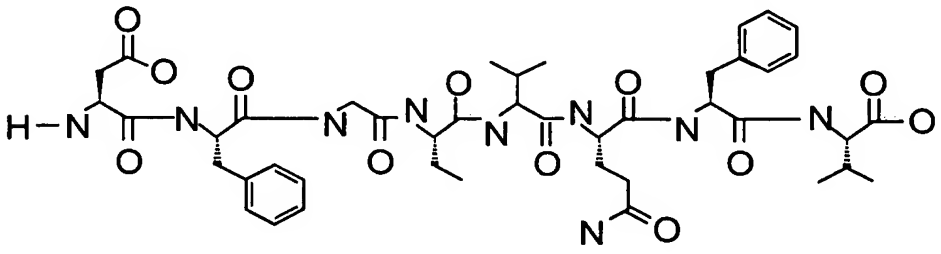


Fig. 15

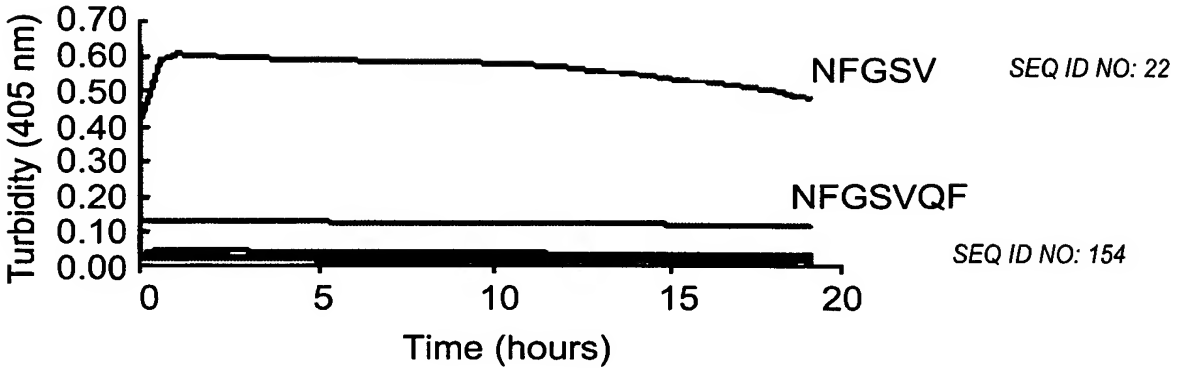


Fig. 16a

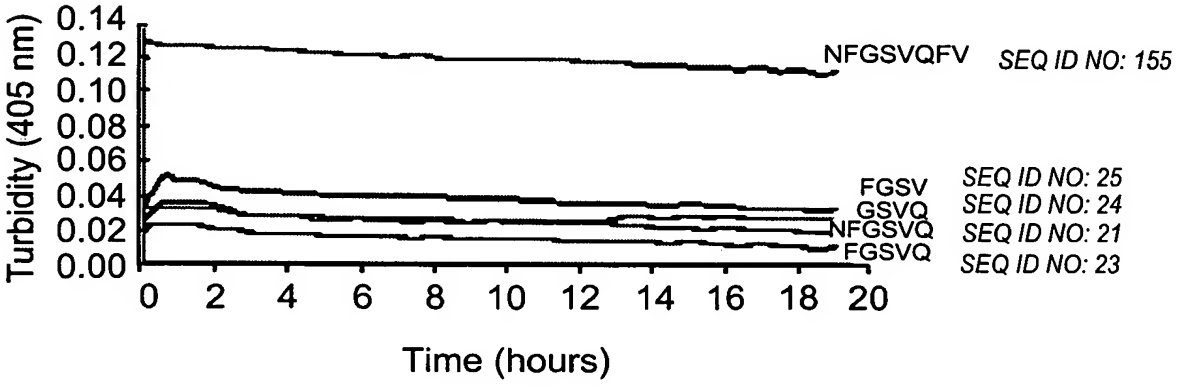


Fig. 16b

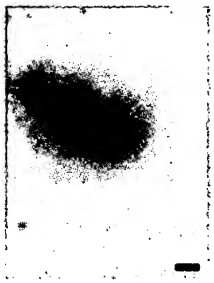


Fig. 17a

Fig. 17b

Fig. 17c

Fig. 17d

Fig. 17e

Fig. 17f

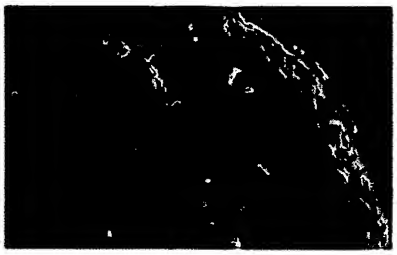


Fig. 18a

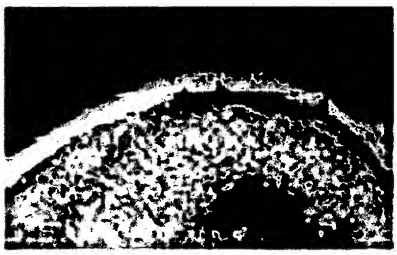


Fig. 18b

Fig. 18c

Fig. 18d

Fig. 18e

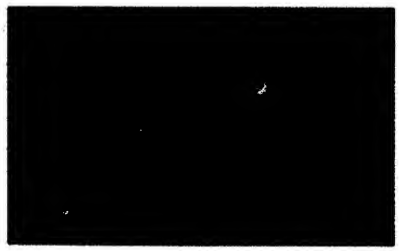


Fig. 18f

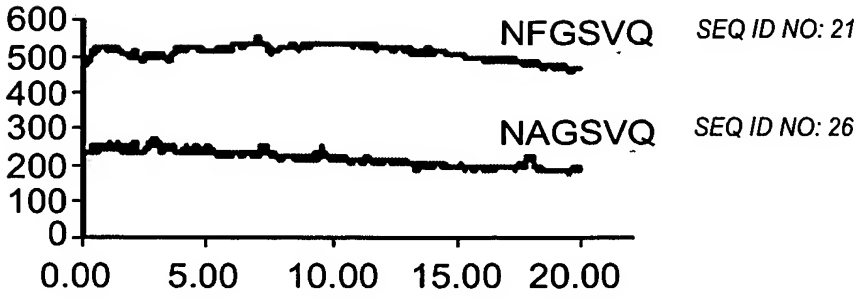


Fig. 19a

Fig. 19b

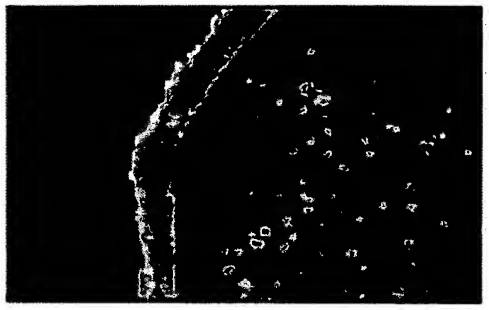


Fig. 19c

Fig. 20a

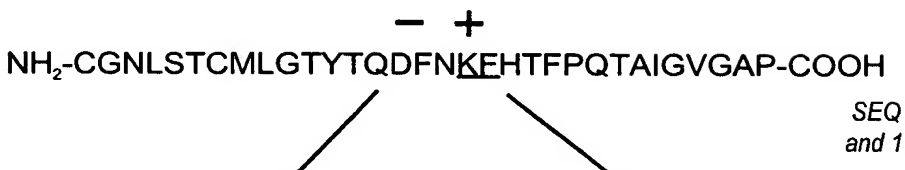


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Fig. 20b

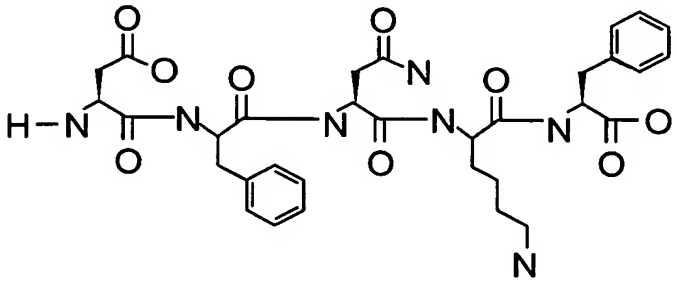


Fig. 21a

Fig. 21b

Fig. 21c

Fig. 21d

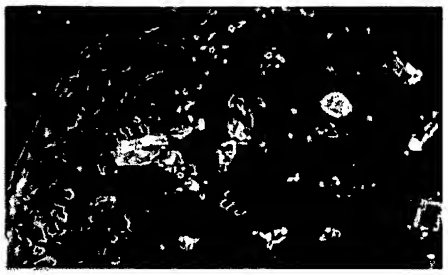


Fig. 22a

Fig. 22b

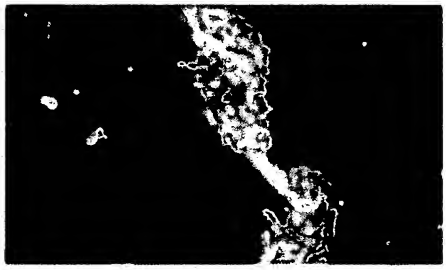


Fig. 22c

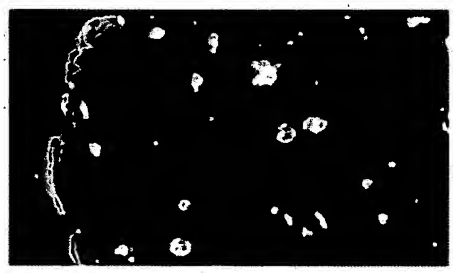


Fig. 22d

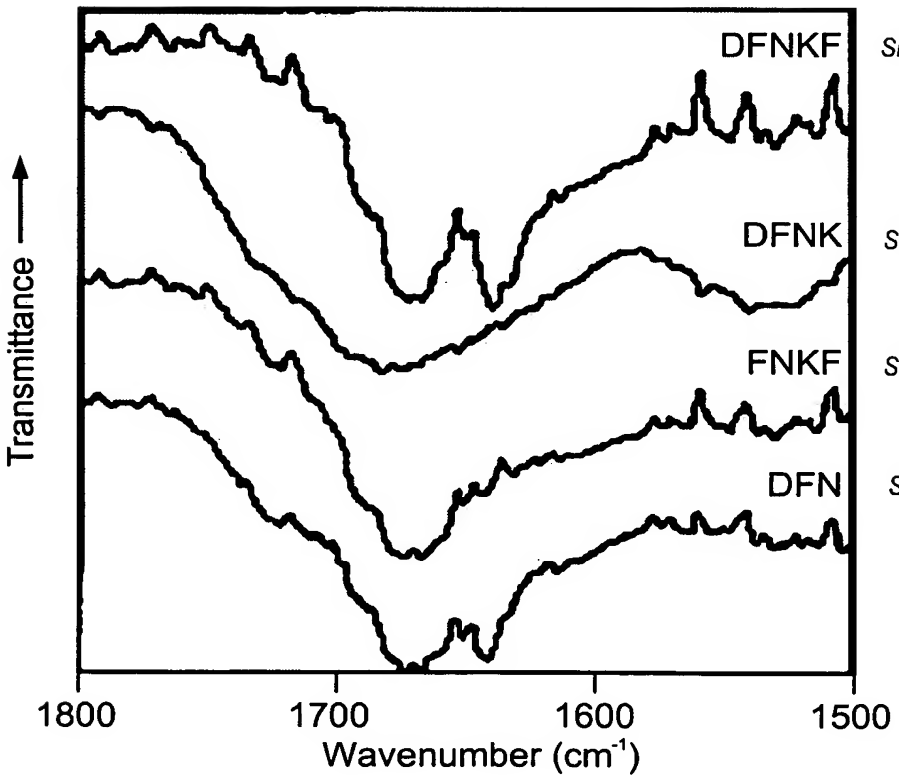


Fig. 23

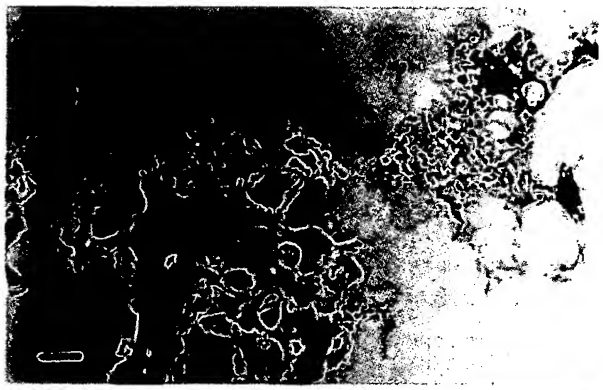


Fig. 24a

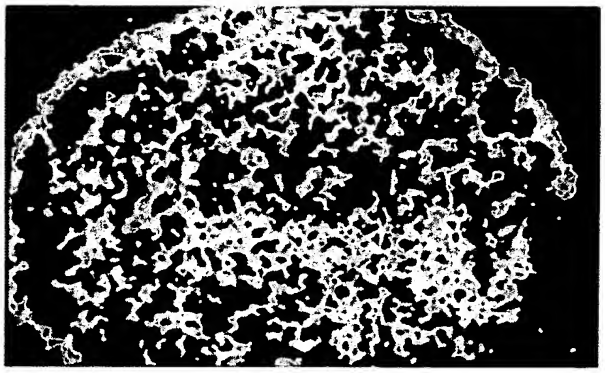


Fig. 24b

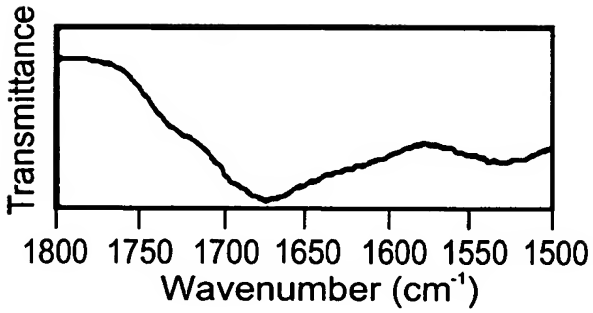


Fig. 24c

Fig. 25

Fig. 26

Fig. 27

Fig. 28

Fig. 29

Fig. 30

Fig. 31

Fig. 32

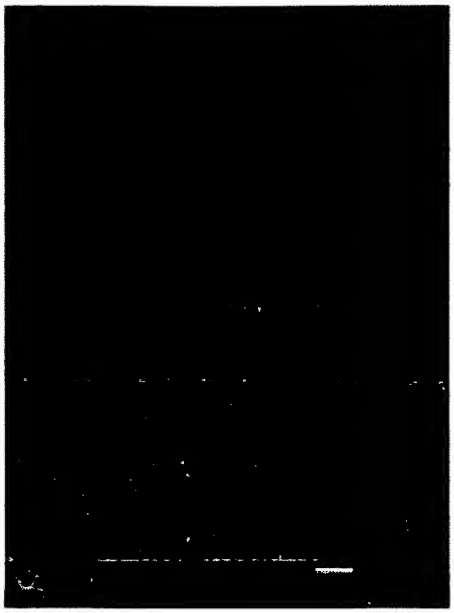


Fig. 33

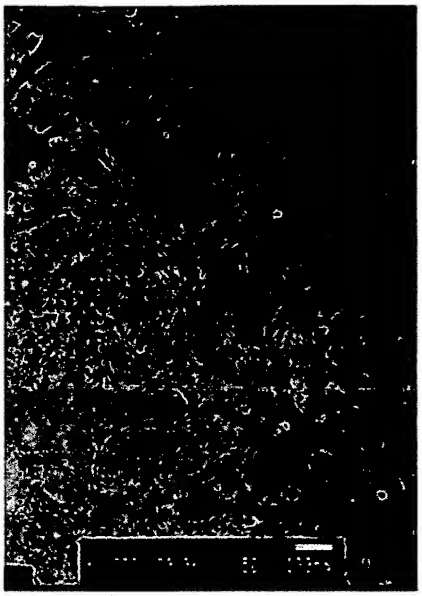


Fig. 34

Fig. 35

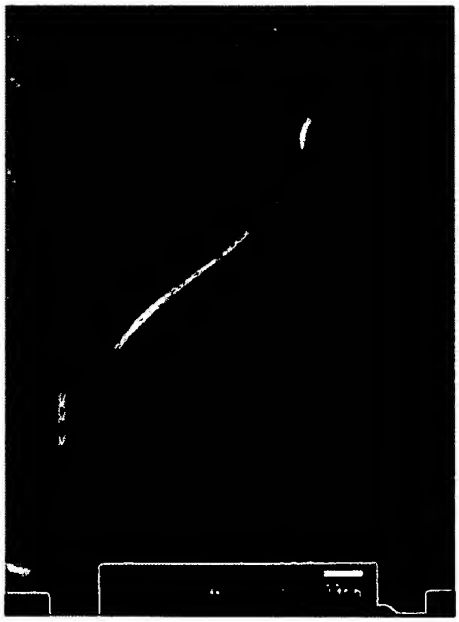


Fig. 36

Fig. 37

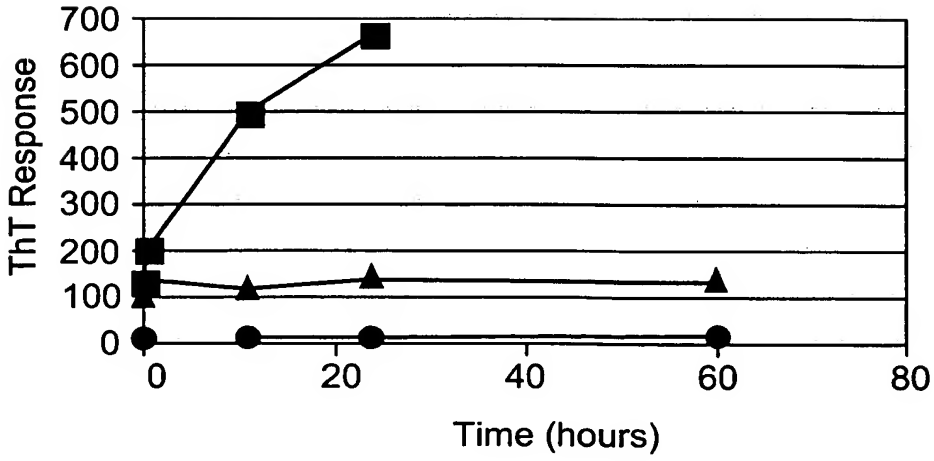

700
600
500
400
300
200
100
0
ThT Response
0
20
40
60
80
Time (hours)

Fig. 38

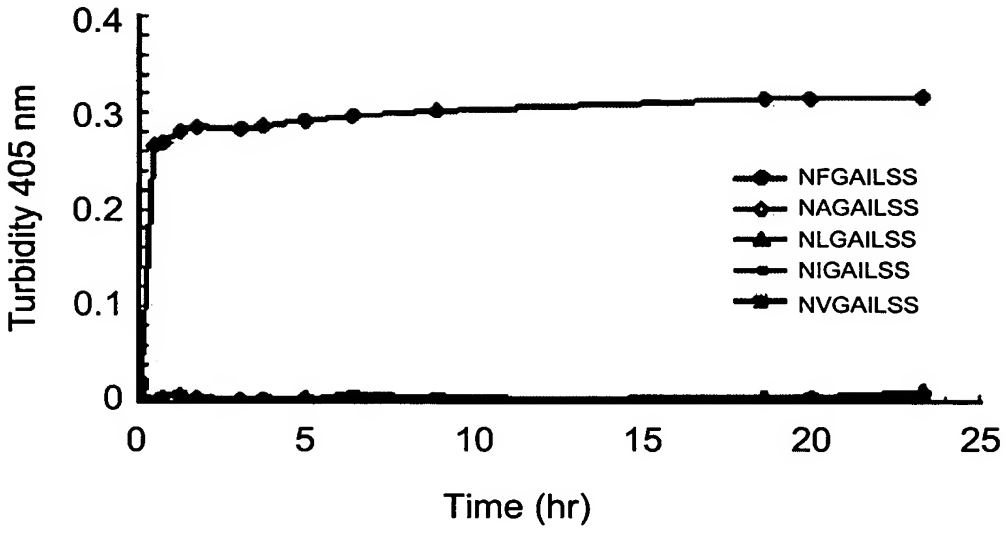

0.4
0.3
0.2
0.1
0
Turbidity 405 nm
0
5
10
15
20
25
Time (hr)
NFGAILSS
NAGAILSS
NLGAILSS
NIGAILSS
NVGAILSS

Fig. 39

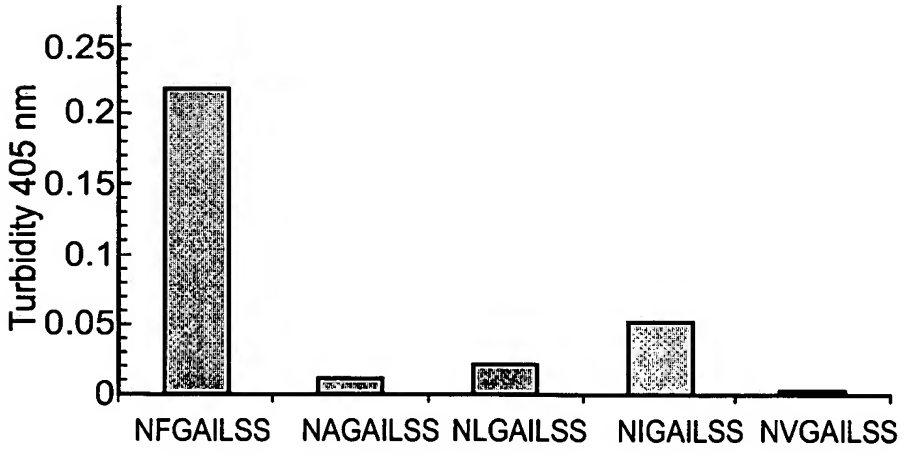

0.25
0.2
0.15
0.1
0.05
0
Turbidity 405 nm
NFGAILSS
NAGAILSS
NLGAILSS
NIGAILSS
NVGAILSS

Fig. 40

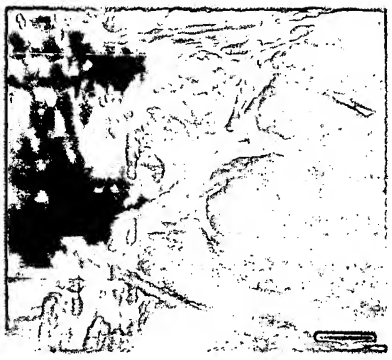


Fig. 41a

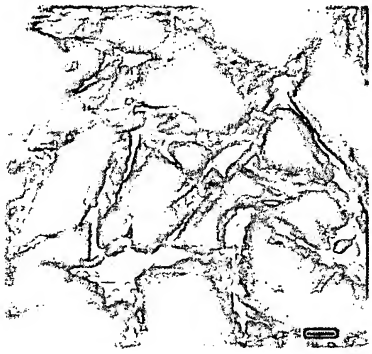


Fig. 41b

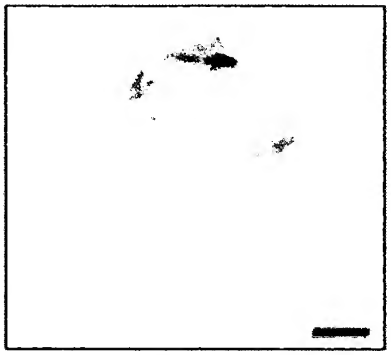


Fig. 41c

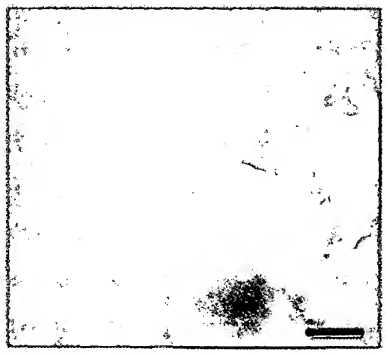


Fig. 41d

Fig. 41e

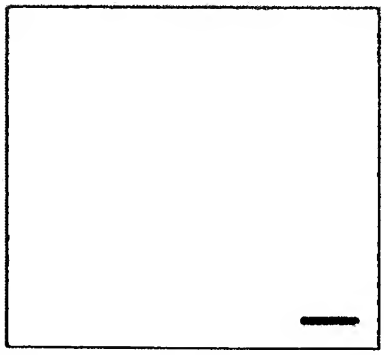
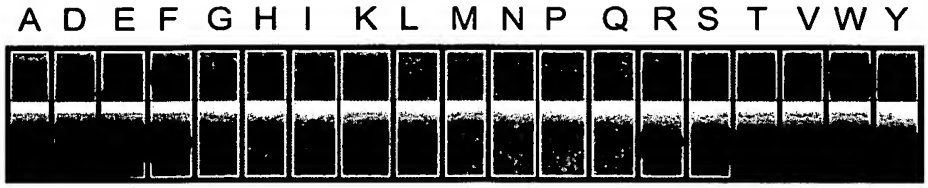


Fig. 41f

Fig. 42a

Fig. 42b



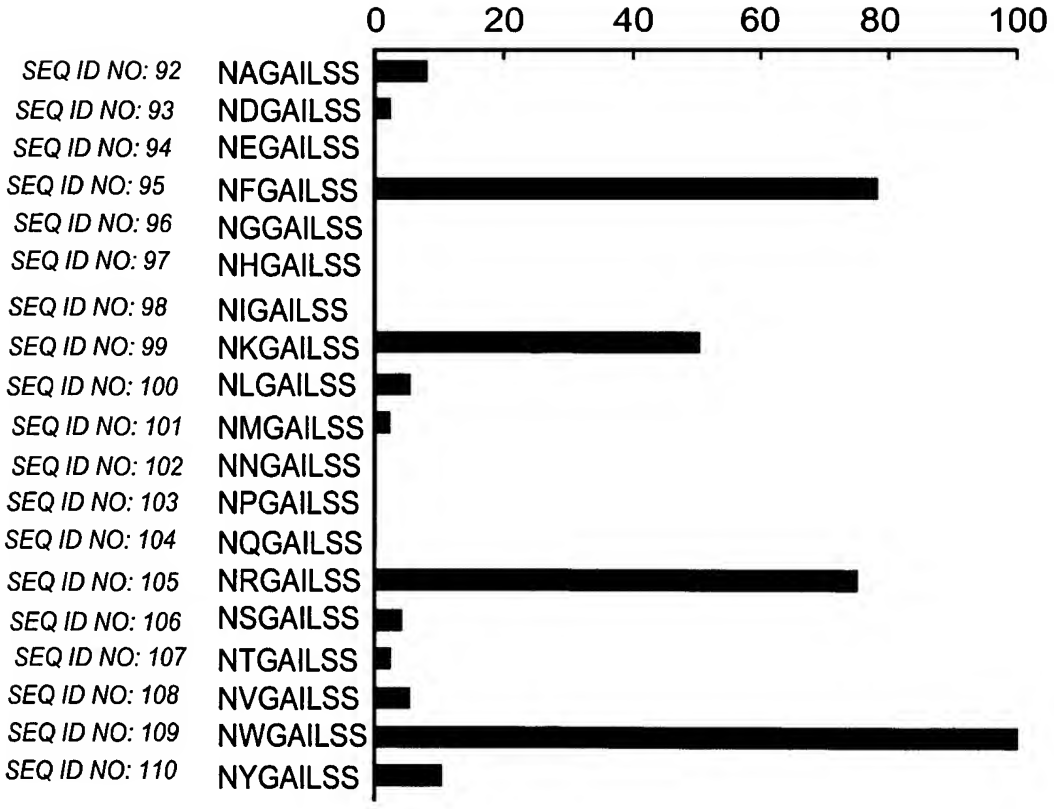


Fig. 42c

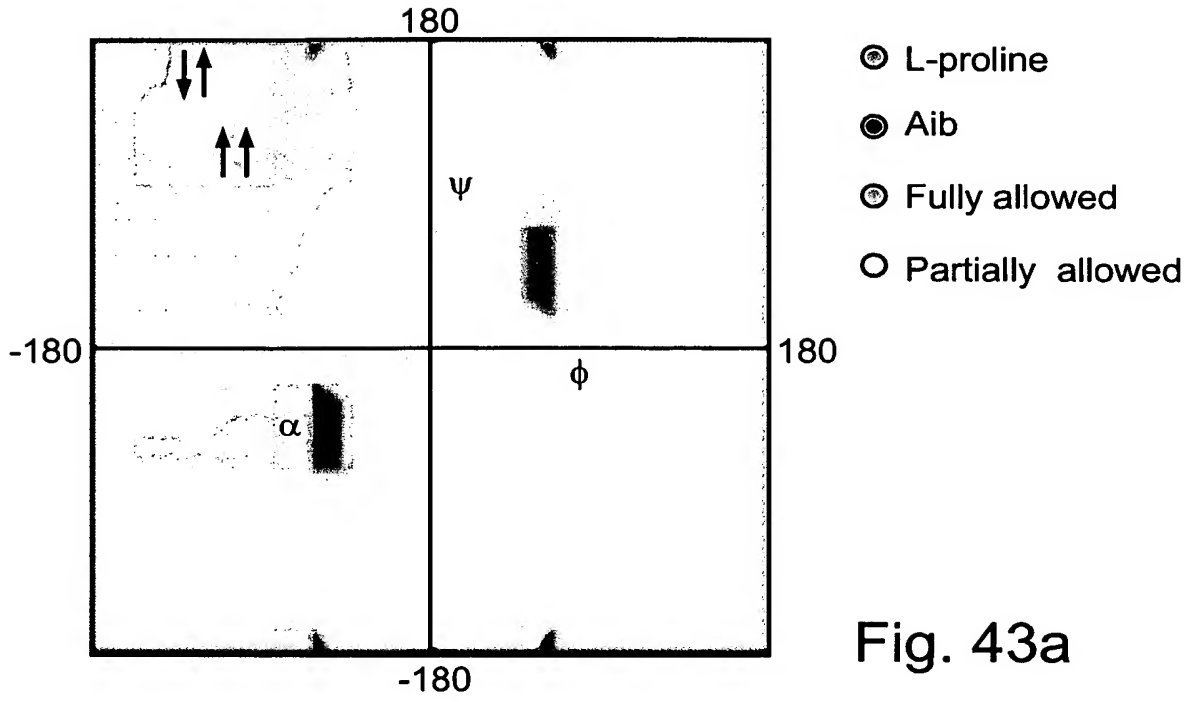


Fig. 43a

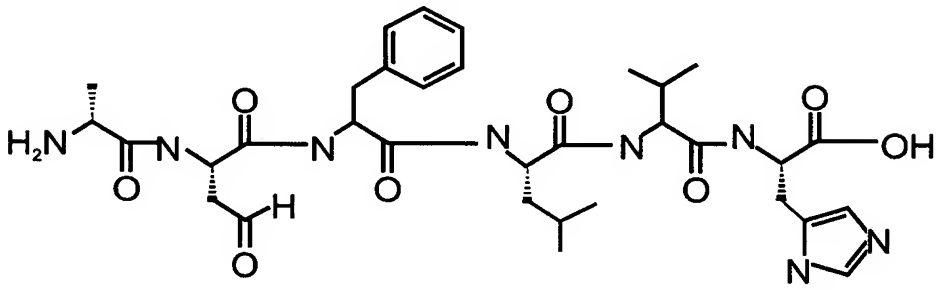


Fig. 43b

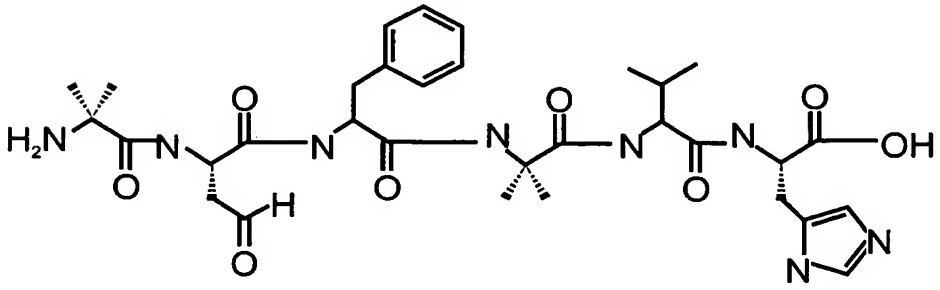


Fig. 43c

Fig. 44a

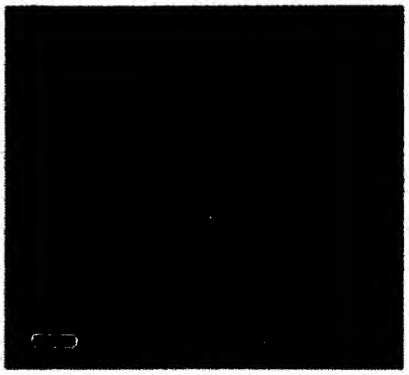


Fig. 44b

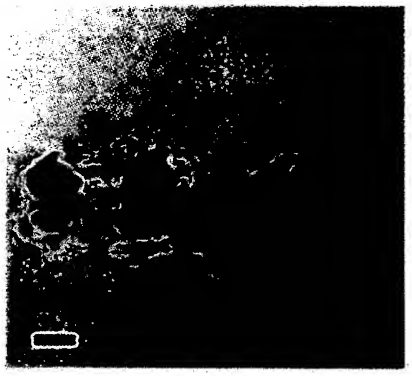


Fig. 44c

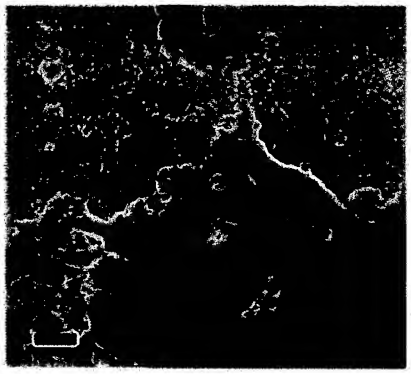


Fig. 44d

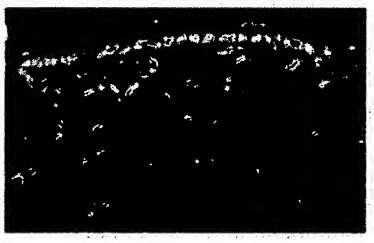


Fig. 45a

Fig. 45b

Fig. 45c

Fig. 45d

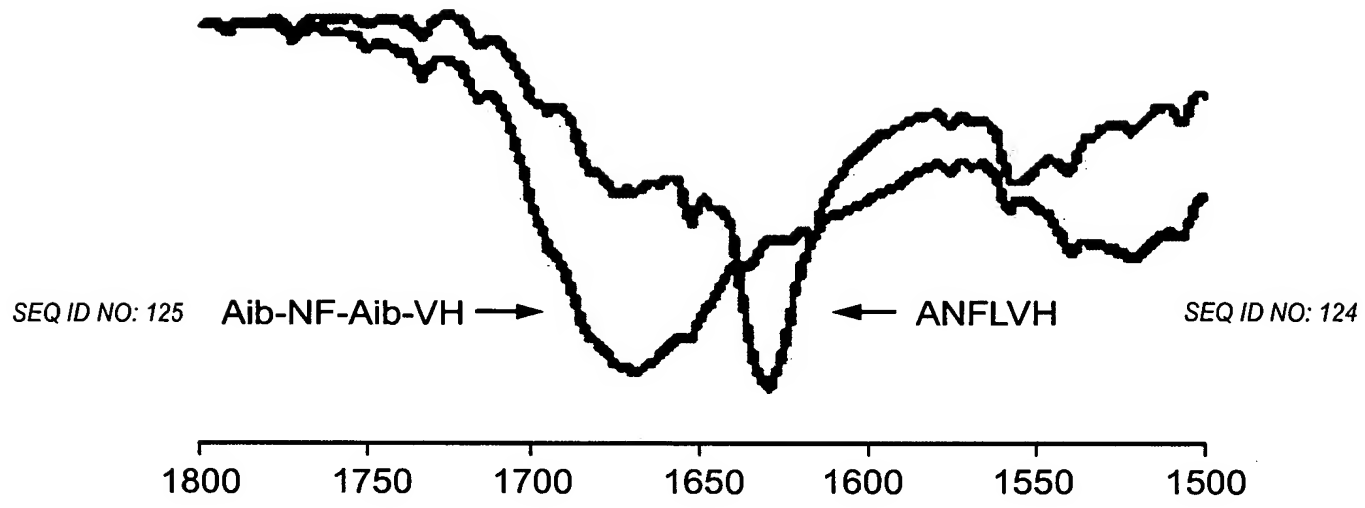


Fig. 46a

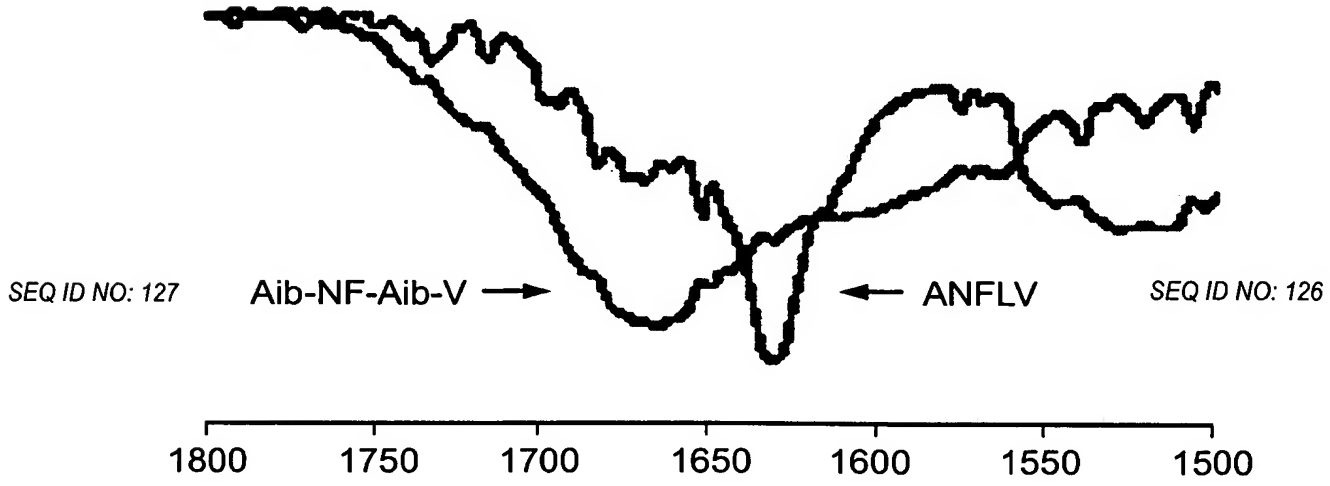


Fig. 46b

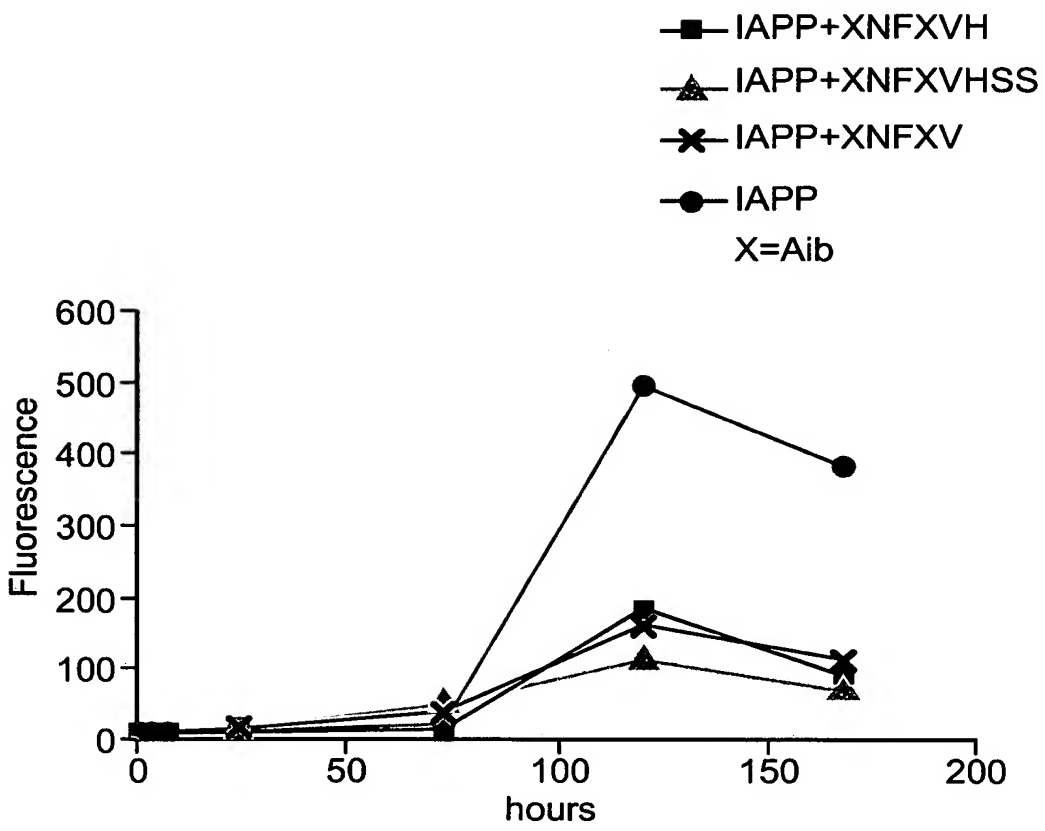

IAPP+XNFXVH
IAPP+XNFXVHSS
IAPP+XNFXV
IAPP
X=Aib
Fluorescence
600
500
400
300
200
100
0
0
50
100
150
200
hours

Fig. 47

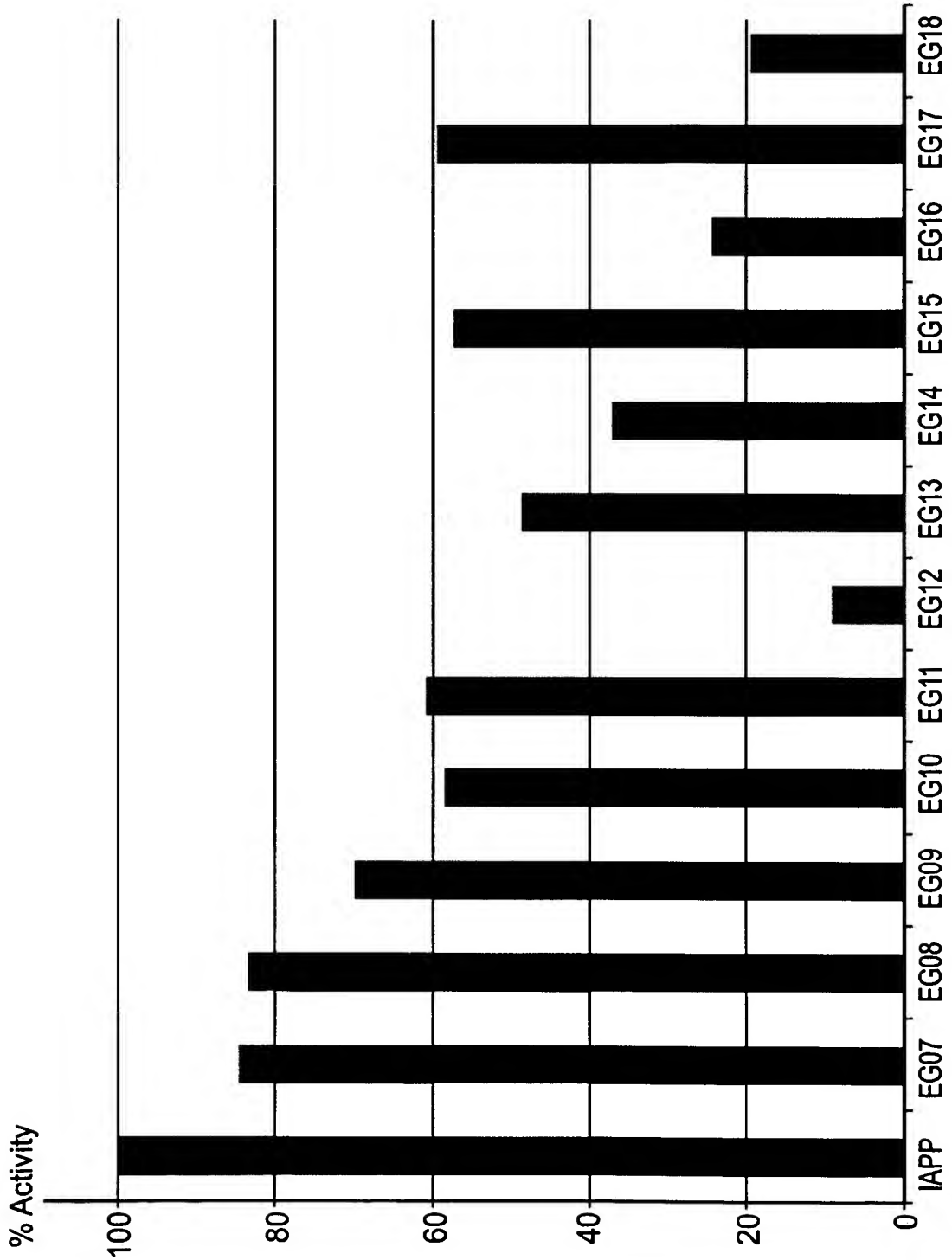

% Activity
100
80
60
40
20
0
IAPP
EG07
EG08
EG09
EG10
EG11
EG12
EG13
EG14
EG15
EG16
EG17
EG18

Fig. 48

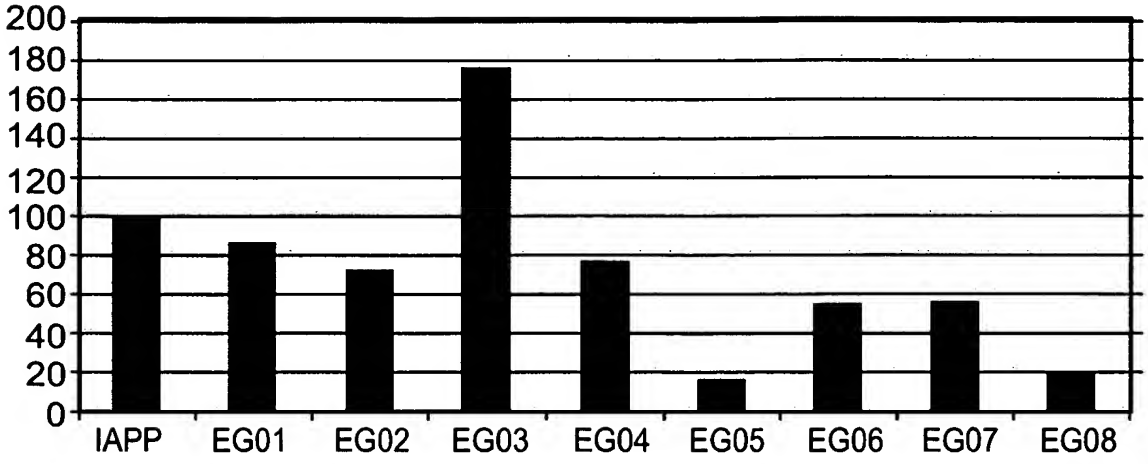


Fig. 49a

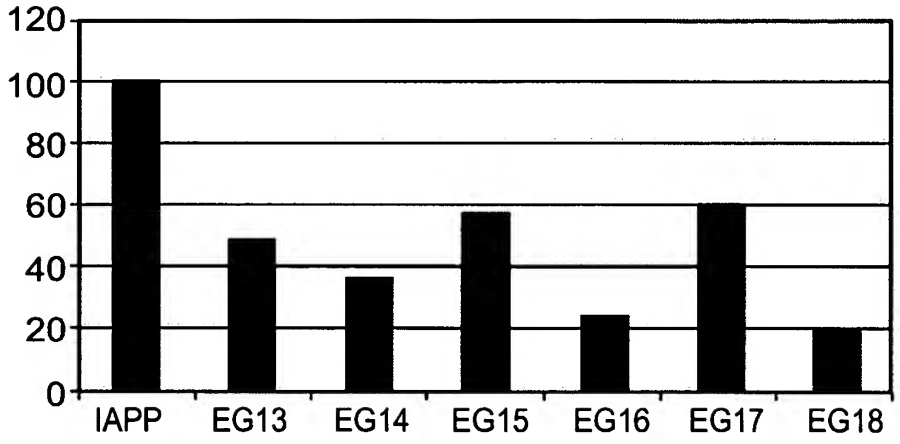


Fig. 49b

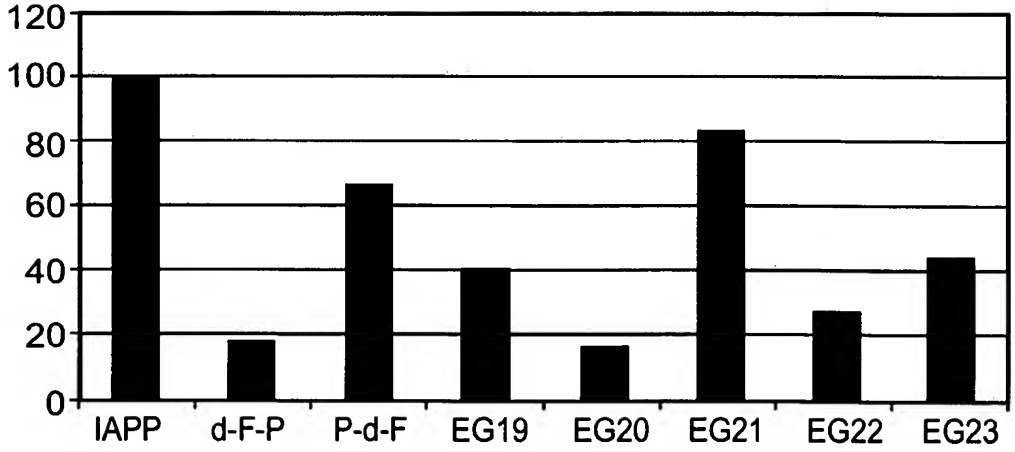


Fig. 49c

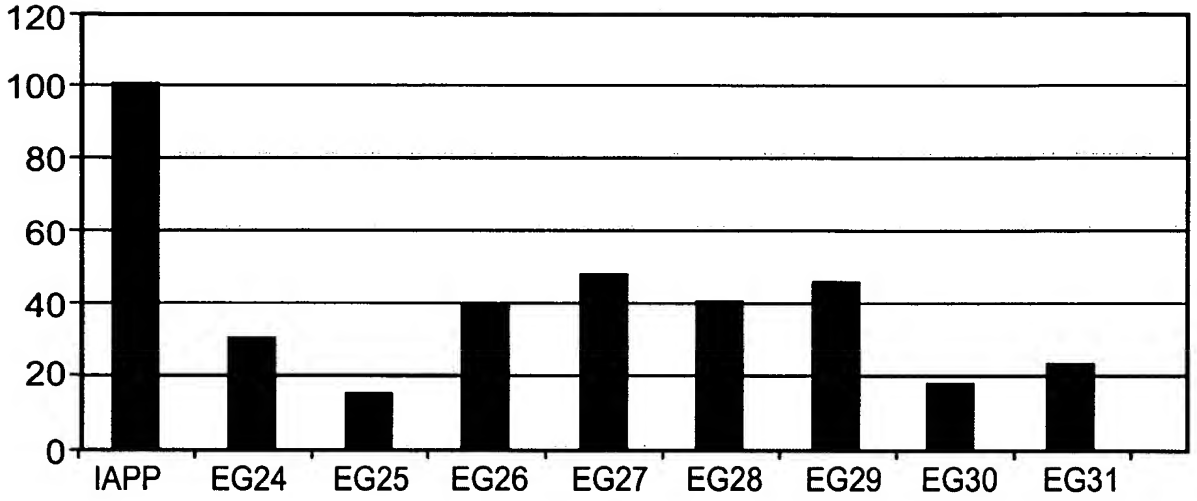


Fig. 49d

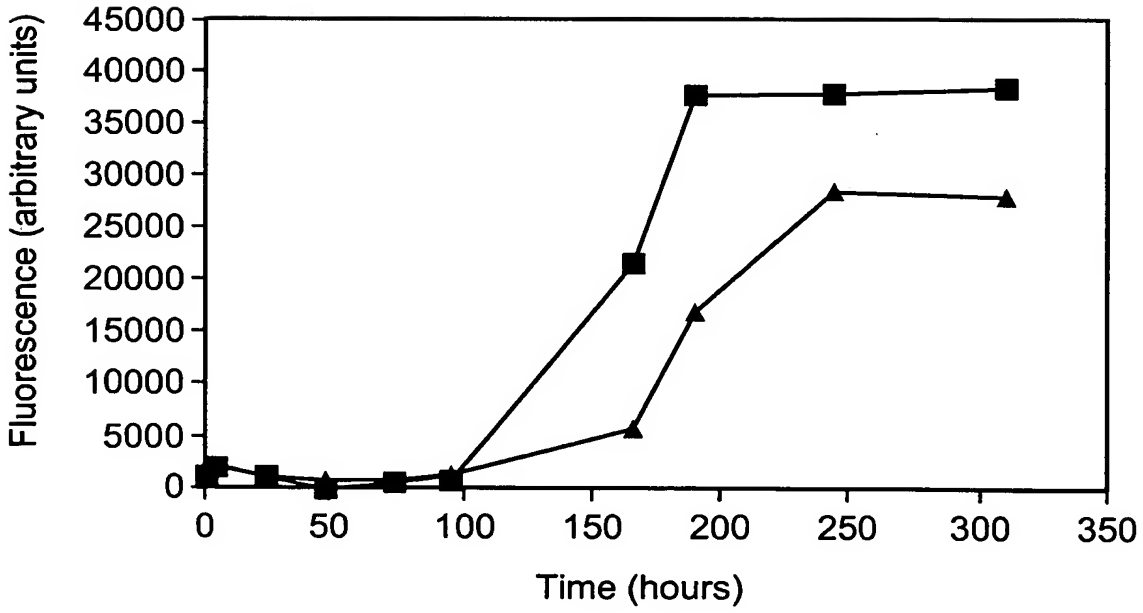


Fig. 50

Fig. 51a

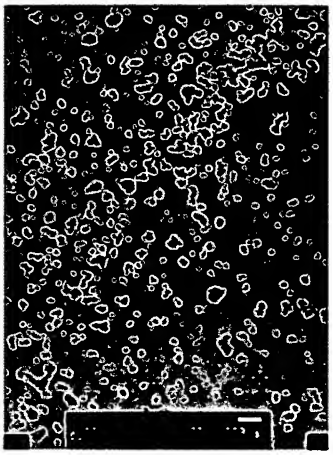


Fig. 51b

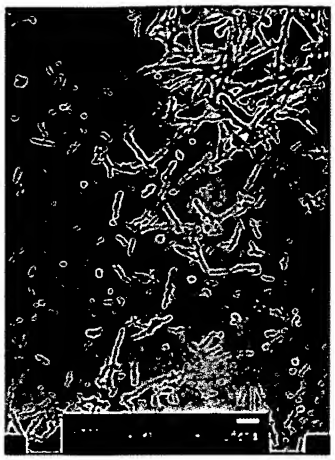


Fig. 51c